

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/10815

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L25/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BALTERSEE J ET AL: "Performance analysis of phasor estimation algorithms for a FDD-UMTS RAKE receiver" IEEE 6TH INT. SYMPOSIUM ON SPREAD SPECTRUM TECH. AND APPL., vol. 2, 6 September 2000 (2000-09-06), pages 476-480, XP010516624 USA abstract	1-4,8, 16-20, 24,32,33
Y	page 476, left-hand column, paragraph 2	5,10,12, 21,26,28
A	page 476, right-hand column, paragraph 3 page 478, left-hand column, paragraph 1 ----- -/--	6,22

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search

21 July 2004

Date of mailing of the international search report

29/07/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	SEEGER A ET AL: "Antenna weight verification for closed-loop downlink eigenbeamforming" GLOBECOM'02. 2002 - IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE. CONFERENCE PROCEEDINGS. TAIPEI, TAIWAN, NOV. 17 - 21, 2002, IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, NEW YORK, NY : IEEE, US, vol. VOL. 1 OF 3, 17 November 2002 (2002-11-17), pages 982-986, XP010636096 ISBN: 0-7803-7632-3 abstract	5,10,12, 21,26,28
A	page 982, right-hand column, paragraph 3 page 983, left-hand column, paragraph 4 page 983, right-hand column, paragraph 6 page 984, left-hand column, paragraph 2	1,17,32
A	YLITALO J: "Channel estimation study of CDMA downlink for fixed beam BTS" IEEE, vol. 1, 15 September 2002 (2002-09-15), pages 242-246, XP010614223 abstract	1,17,32